



iHome iP21 Display LED Replacement

Replacing the Display LED of your iP21 can extend the life of this inexpensive device.

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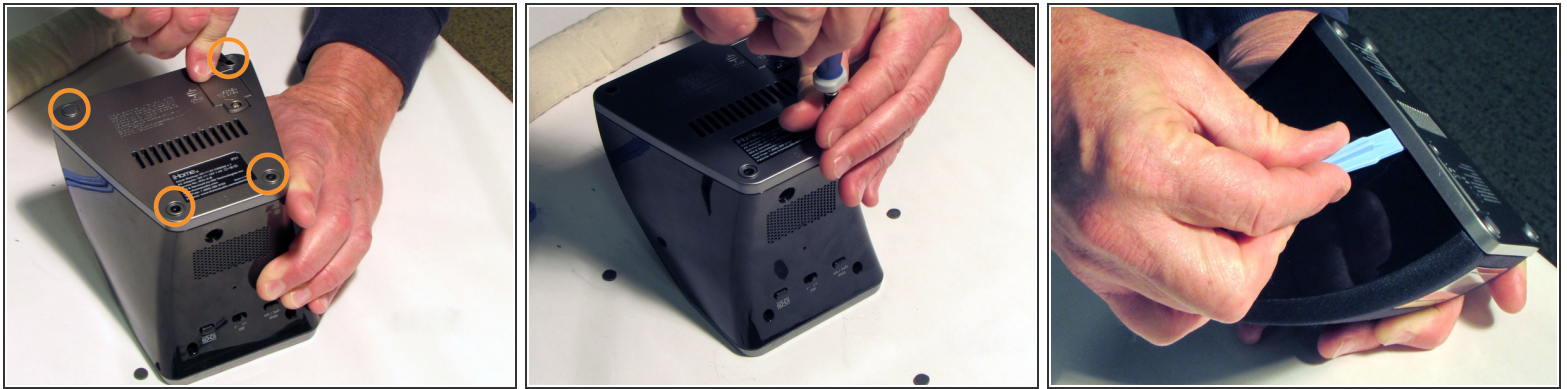
INTRODUCTION

This guide shows how to replace the display LED of the iP21.

TOOLS:

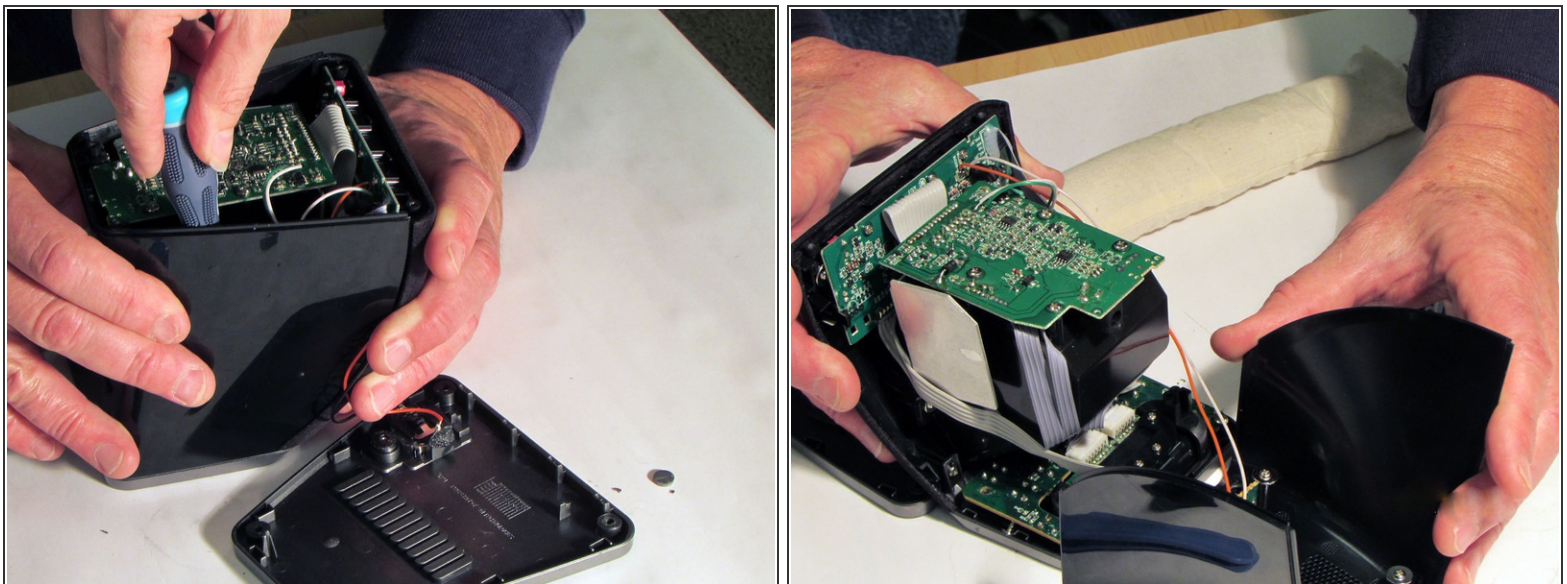
- [Phillips #1 Screwdriver](#) (1)
 - [Phillips #2 Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [Soldering Station](#) (1)
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Step 1 — Base



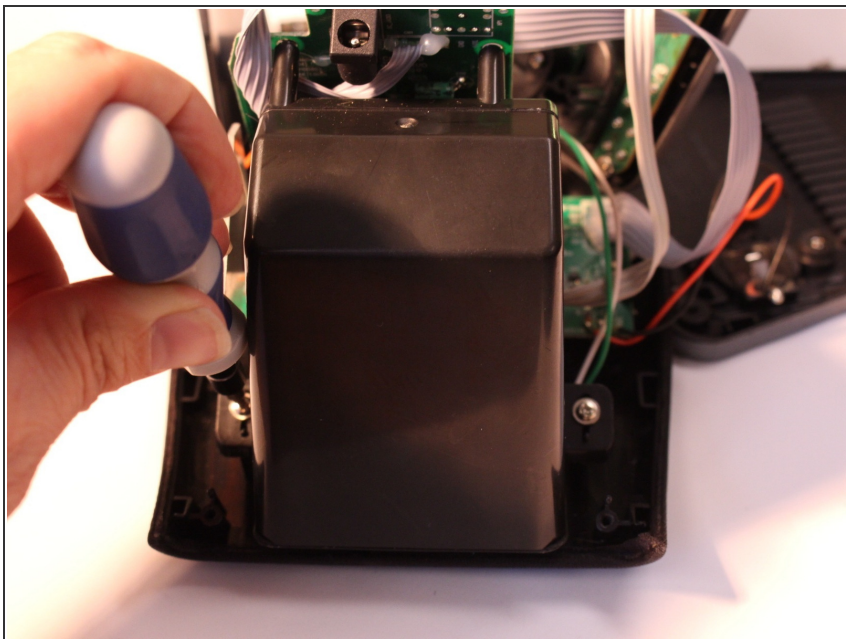
- Pry the four rubber feet from the bottom of the iP21 to expose four 11mm screws.
- Unscrew the four 11mm screws from the base.
- Pry the base loose using the spudger.
- Remove the base by hand.

Step 2 — Housing



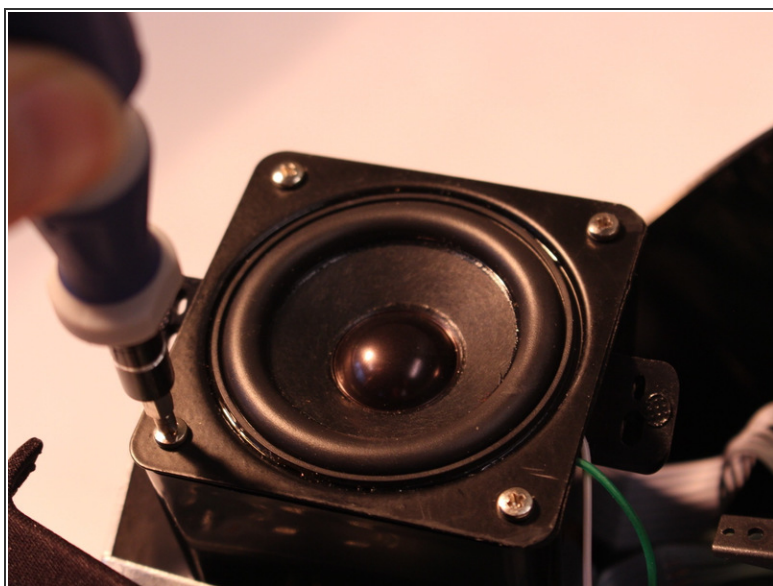
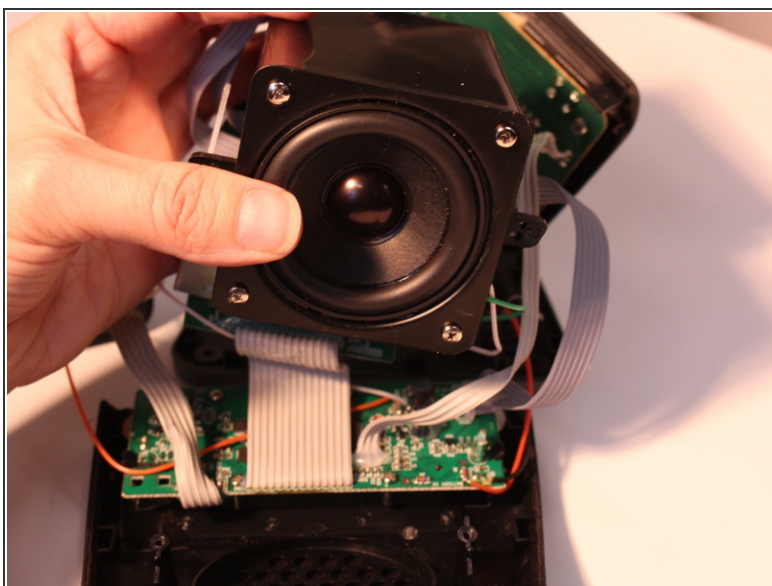
- Remove the two black 6mm screws connecting the main circuit board to the housing top.
- Grasp front housing and back housing firmly.
- Gently pull front housing from the back housing.

Step 3 — Remove Speaker Assembly



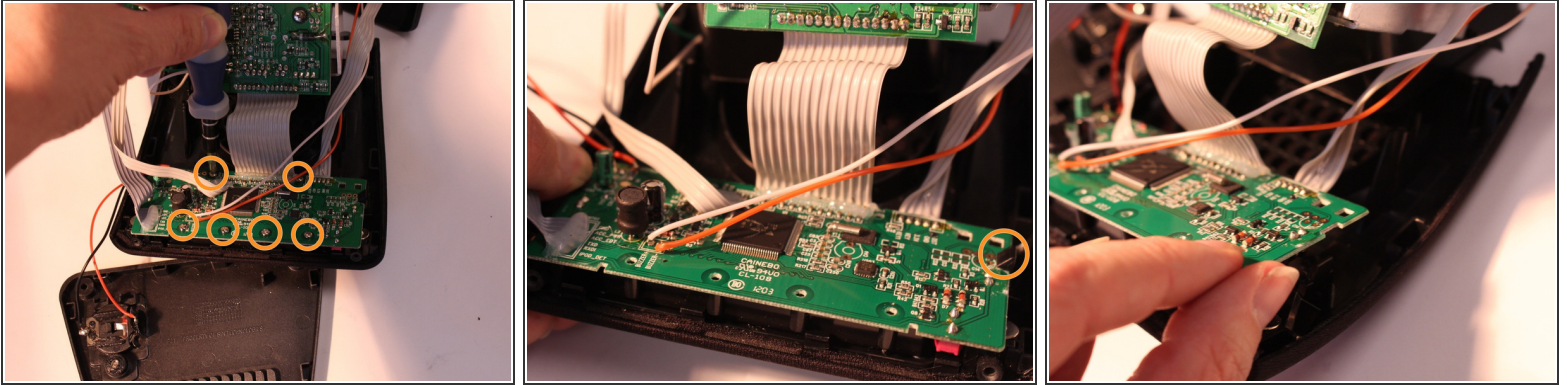
- Remove two 9mm screws holding speaker assembly in iP21, using iFixit Phillips #2 bit

Step 4 — Remove speaker from speaker assembly



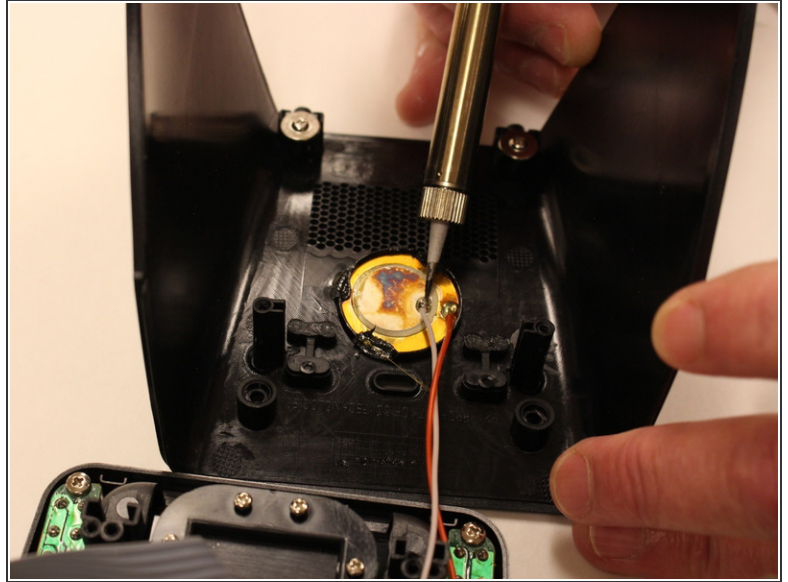
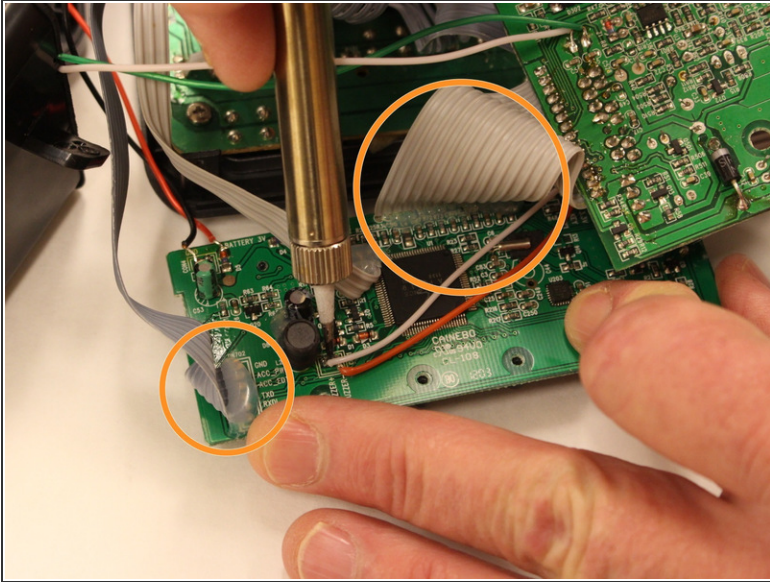
- Lift speaker assembly
- Remove four 7mm screws to detach speaker from speaker assembly

Step 5 — Display circuit board



- Remove six 6mm screws from display circuit board.
- Press black holding clips down and outward to release display circuit board.
- Lift display circuit board to detach it from the housing.

Step 6 — Cables



- Desolder the solder joints connecting the grounding cable to the display circuit board.
- Remove glue from the ribbon cables with your fingers. Grasp and pull the glue to remove it from the circuit board.
- Desolder the solder joints connecting the three ribbon cables to the back of the display circuit board.
- Desolder the solder joints connecting the two grounding cables to the back of the display circuit board.
- Desolder the solder joints connecting the two grounding cables to the back of the main housing.

To reassemble your device, follow these instructions in reverse order.

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